AUTODOC CLUB

How to change front lower arm on **Nissan X Trail T30** – replacement guide

VIDEO TUTORIAL



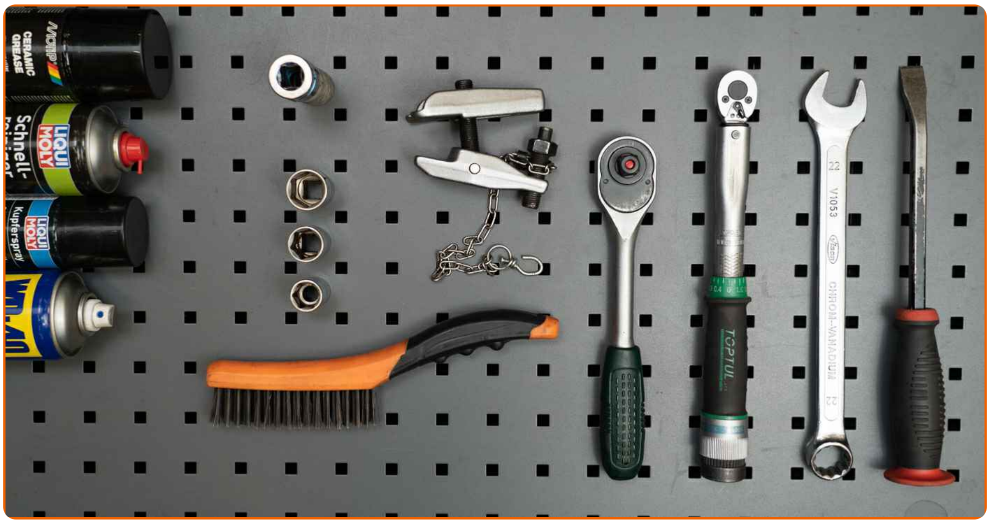
Important!

This replacement procedure can be used for:
NISSAN X-Trail (T30) 2.5 FWD, NISSAN X-Trail (T30) 2.0 4x4, NISSAN X-Trail (T30) 2.2 Di 4x4, NISSAN X-Trail (T30) 2.2 dCi 4x4, NISSAN X-Trail (T30) 2.2 dCi, NISSAN X-Trail (T30) 2.5 4x4, NISSAN X-Trail (T30) 2.2 DCi

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The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – NISSAN X TRAIL T30. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #22
- Drive socket # 17
- Drive socket # 19
- Drive socket # 22
- Wheel impact socket #21
- Ball joint puller
- Ratchet wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

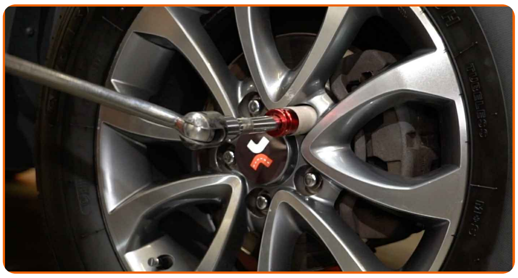
Replacement: front lower arm – Nissan X Trail T30. Tip from AUTODOC experts:

- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – Nissan X Trail T30 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #21.



3 Raise the car.



Replacement: front lower arm – Nissan X Trail T30. Tip from AUTODOC:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4 Unscrew the wheel bolts.



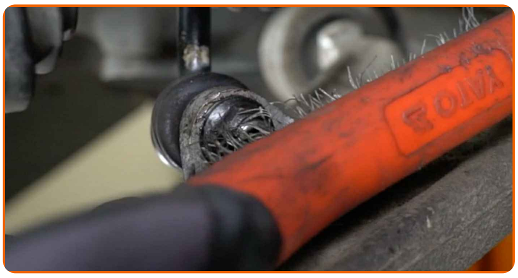
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Nissan X Trail T30

5 Remove the wheel.



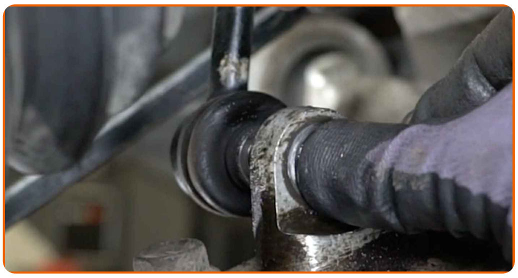
6 Clean the fastener connecting the sway bar link to the suspension arm. Use a wire brush. Use WD-40 spray.



7 Unscrew the fastener connecting the stabilizer link to the control arm. Use a drive socket #17. Use a ratchet wrench.



8 Detach the sway bar link from the suspension arm. Use a crowbar.



9 Remove the cotter pin that secures the fastener connecting the ball joint to the steering knuckle. Use a crowbar.



10 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



11 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #22.



12 Disconnect the ball joint from the steering knuckle. Use a ball joint puller.

13 Unscrew the front fastener of the control arm. Use a combination spanner #22. Use a drive socket #22. Use a ratchet wrench.



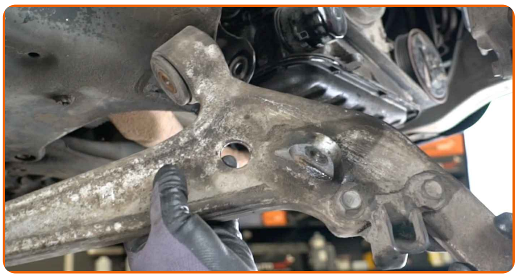
14 Unscrew the rear fasteners of the arm. Use a drive socket #19. Use a ratchet wrench.



15 Remove the fastening bolts (3 pieces).



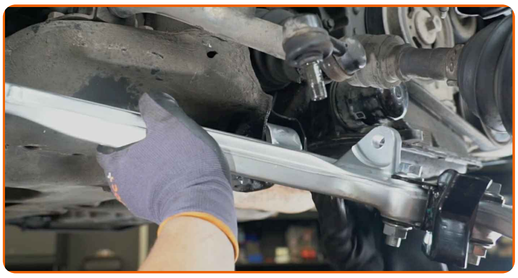
16 Remove the arm.



17 Clean the suspension arm mounting seats. Use a wire brush. Use WD-40 spray.



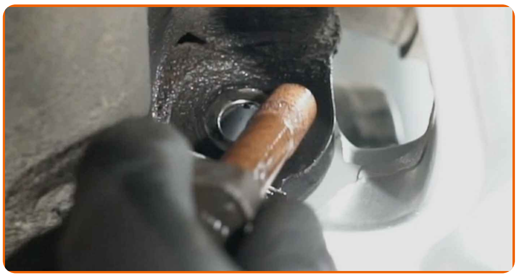
18 Install a new arm.



AUTODOC recommends:

- During the installation process, use only new bolts and nuts.

19 Install the fastening bolt.



20 Connect the ball joint to the steering knuckle.



21 Install the fastening bolts (2 pieces).



22 Prop up the steering knuckle. Use a hydraulic transmission jack.



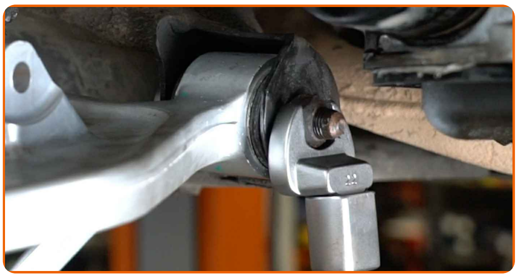
Replacement: front lower arm – Nissan X Trail T30. AUTODOC recommends:

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

23 Tighten the rear fasteners of the arm. Use a drive socket #19. Use a torque wrench. Tighten it to 130 Nm torque.



24 Tighten the front fastener of the arm. Use a combination spanner #22. Use a drive socket #22. Use a torque wrench. Tighten it to 110 Nm torque.



25 Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #22. Use a torque wrench. Tighten it to 77 Nm torque.



26 Install the cotter pin that secures the fastener connecting the ball joint to the steering knuckle. Use a crowbar.

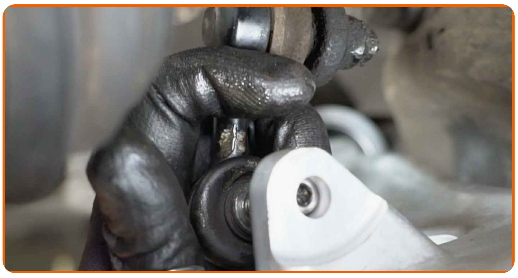
27 Remove the support from under the steering knuckle.



AUTODOC recommends:

- Replacement: front lower arm – Nissan X Trail T30. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

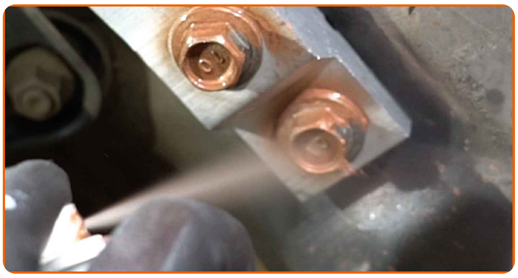
28 Connect the sway bar link to the suspension arm.



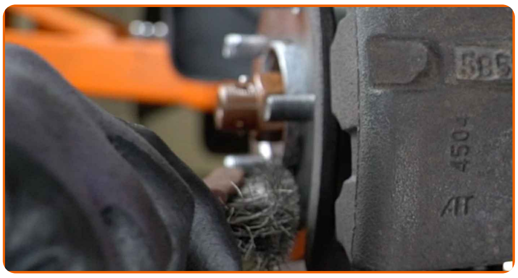
29 Tighten the fastener connecting the sway bar link to the suspension arm. Use a drive socket #17. Use a torque wrench. Tighten it to 75 Nm torque.



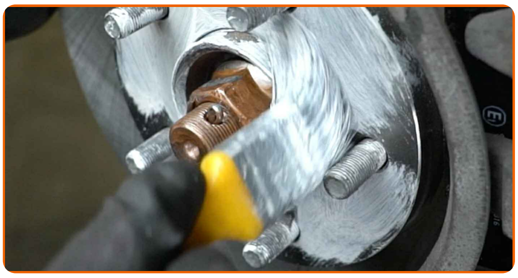
30 Treat all joints of the arm. Use copper grease.



31 Clean the wheel rim mounting seat. Use a wire brush.



32 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



33 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

34 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Nissan X Trail T30

35

Screw in the wheel bolts. Use wheel impact socket #21.



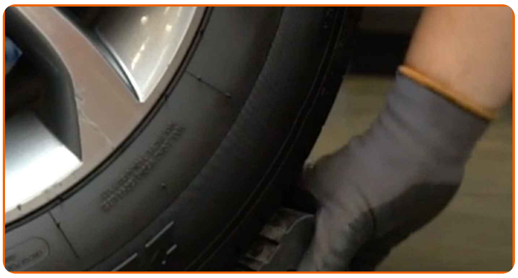
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Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 118 Nm torque.



37

Remove the jacks and chocks.

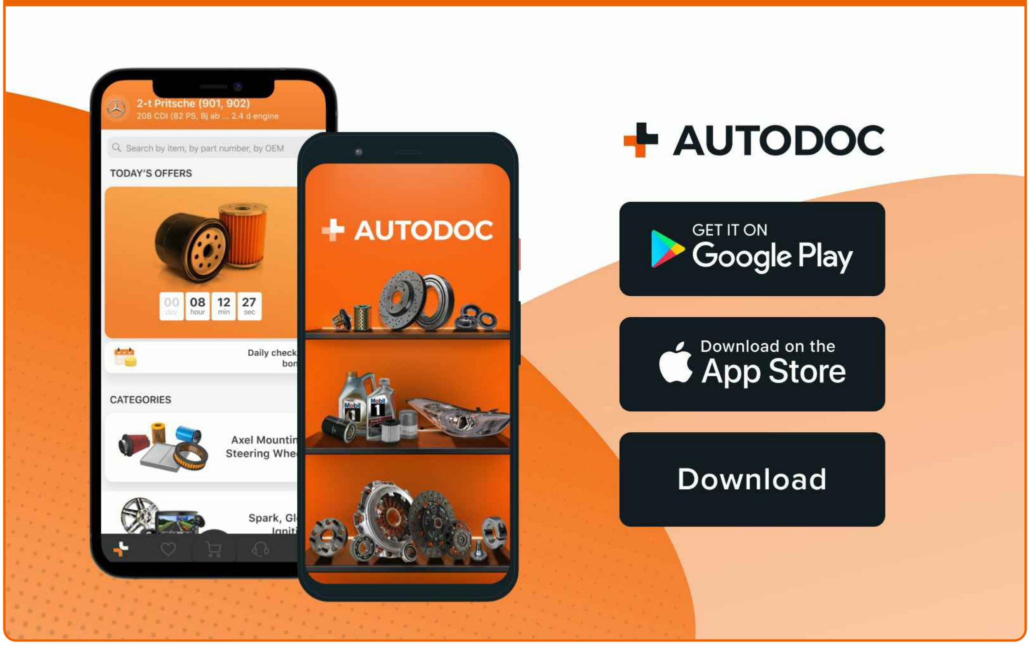


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